The \texttt{l3cctab} package
Experimental category code tables

The \LaTeX3 Project\textsuperscript{*}

Released 2019-03-05

1 \texttt{l3cctab} documentation

A category code table enables rapid switching of all category codes in one operation. For \LaTeX\textsc{e}X, this is possible over the entire Unicode range. For other engines, only the 8-bit range (0-255) is covered by such tables.

\begin{verbatim}
\cctab_new:N \cctab_new:N \langle category code table \rangle
Creates a new category code table, initially with the codes as used by ini\TeX.
\end{verbatim}

\begin{verbatim}
\cctab_const:Nn \cctab_const:Nn \langle category code table \rangle \{ \langle category code set up \rangle \}
\cctab_gset:Nn \cctab_gset:Nn \langle category code table \rangle \{ \langle category code set up \rangle \}
\cctab_begin:N \cctab_begin:N \langle category code table \rangle
\cctab_end:
\end{verbatim}

Sets the \langle category code table \rangle to apply the category codes which apply when the prevailing régime is modified by the \langle category code set up \rangle. Thus within a standard code block the starting point will be the code applied by \texttt{\c_code_cctab}. The assignment of the table is global: the underlying primitive does not respect grouping.

Switches the category codes in force to those stored in the \langle category code table \rangle. The prevailing codes before the function is called are added to a stack, for use with \texttt{\cctab_end:}.

Ends the scope of a \langle category code table \rangle started using \texttt{\cctab_begin:N}, retuning the codes to those in force before the matching \texttt{\cctab_begin:N} was used.

\texttt{\c_code_cctab} Category code table for the code environment. This does not include setting the behaviour of the line-end character, which is only altered by \texttt{\ExplSyntaxOn}.

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Category code table for a standard \LaTeX document. This does not include setting the behaviour of the line-end character, which is only altered by \texttt{\ExplSyntaxOff}.

Category code table as set up by ini\TeX.

Category code table where all characters have category code 12 (other).

Category code table where all characters have category code 12 (other) with the exception of spaces, which have category code 10 (space).

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The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

\begin{verbatim}
\c_document_cctab \c_initex_cctab \c_other_cctab \c_str_cctab \ExplSyntaxOff \ExplSyntaxOn
\end{verbatim}

<table>
<thead>
<tr>
<th>Command</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>\cctab_begin:N</td>
<td>1, 1</td>
</tr>
<tr>
<td>\cctab_const:Nn</td>
<td>1</td>
</tr>
<tr>
<td>\cctab_end:</td>
<td>1, 1</td>
</tr>
<tr>
<td>\cctab_gset:Nn</td>
<td>1</td>
</tr>
<tr>
<td>\cctab_new:N</td>
<td>1, 1</td>
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<tr>
<td>\c_code_cctab</td>
<td>1, 1</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Command</th>
<th>Page</th>
</tr>
</thead>
<tbody>
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<td>2</td>
</tr>
<tr>
<td>\texttt{\ExplSyntaxOn}</td>
<td>1</td>
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</tbody>
</table>

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